

**Beker Industries Corp.**  
Box 37, Conda, Idaho 83230  
Telephone: 208/547-4381, TWX 910-978-5768

December 12, 1980

Mr. Robert Stenner  
Department of Health and Welfare  
Division of Environment  
636 Pershing  
Pocatello, Idaho 83201

Dear Bob:

The following is a list of each area within the plant and an estimated proportion of the total allowed fluoride emission based on a ratio of their actual fluorine emissions.

WASHPLANT	1.50 lbs. F-/hour
NORTH CALCINER	1.50 lbs. F-/hour
SOUTH CALCINER	1.50 lbs. F-/hour
#3 CALCINER	1.50 lbs. F-/hour
#4 CALCINER	1.50 lbs. F-/hour
PHOS ACID	24.88 lbs. F-/hour
D.A.P.	12.44 lbs. F-/hour

The total allowed fluoride emissions were figured from a normal average maximum process rate for the four calciners backed out to include all  $P_2O_5$  fed to the calcining operation.

Under the above conditions the total  $P_2O_5$  fed to the calcining operation would be 149.4 tons/hour. Therefore, the maximum allowable fluoride emissions would be 44.82 lbs. of fluoride per hour.

Again these are estimates to the best of our ability and may be subject to change.

According to a telephone conversation with Bill Damesworth of the Idaho Department of Health and Welfare Division of the Environment, he realizes that these numbers are our best estimates at this time, and that should the need arise he does not see any major problems in shifting the proportions around within our plant.

Again these are our estimates and should be treated as such in regard to setting firm limitations within a bubble concept.

If you have any questions, please feel free to contact me.



DLE/vm

Sincerely,

A handwritten signature in dark ink, appearing to read "David L. Eaton".  
David L. Eaton  
Environmental Supervisor

FH0024512